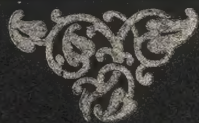


The Backus Company



CATALOGUE

Factory *and* Home Office at

Brandon, Vermont, U. S. A.

Backus Patent Portable Steam Radiators

for Gaseous Fuel, Radiating Mantels, Tiles, Open Fireplaces,
Gas Logs, Etc.

January 19th, 1886,	No. 334,504	October 9th, 1888,	No. 390,743
June 29th, 1886,	" 344,511		
June 29th, 1886,	" 344,512	To F. E. Backus:	
June 29th, 1886,	" 344,513	October 5th, 1892,	No. 485,079
December 6th, 1887,	" 374,333	May 12th, 1896,	" 560,017
December 13th, 1887,	" 374,649	June 13th, 1896,	" 563,005



A Revolution in Heating

The Maximum of Heat, Cheerfulness, Economy, Cleanliness and Comfort, with the Minimum of Cost, Labor and Attention.

The Backus Patent Steam Radiator and Heater

PORTABLE, OPEN, REFLECTING AND STEAM RADIATING.

Utilizes every unit of heat in the fuel. No waste. No odor. No smoke. No flues nor chimneys. Possesses all the cheerfulness of the open grate and none of its disadvantages, and can be placed either in the ordinary fireplace, or in any position in any apartment. Gas for fuel and a match for kindling.

GAS USED IN A BACKUS HEATER MEANS

You can heat Houses more successfully than you can with coal.	Have a cheerful Open Fireplace.
Steam Heat in Mantel now in use.	If no Mantel in room, it forms its own.
No chimney required.	No smoke, dust or ashes.
	Heat drawn same as water.
When not wanted, turn off.	

Entire Houses Heated with This System. 30,000 Now in Use.

The Only Heater Made that can heat a room or the entire building in competition with coal.
It will Save the Price of Heater over any other made (when used for heating purposes) that does not infringe on our patents.

For Adaptability, Convenience, and Beauty, we invite the public to examine and make comparison.

The Backus Patent Heater

forms Complete Steam Plant,

combining in one piece Steam Radiator to fit into a mantel piece already in the room, or mantel complete with Log or Boiler, Back and Jamb, Fire Border, Hearth, Fender and
Andirons, making

A Complete Open Fireplace with Steam Heat

having the appearance when in use of burning wood. The fuel is gas, conveyed through pipe into burner under the Boiler or Log, which contains sufficient water when converted into steam to fill the surrounding radiator. The pressure of the gas when it enters the burner takes in sufficient air to make perfect combustion and increases the volume of flame and heating capacity about sixteen times. This heat is applied to produce steam from the small body of water contained in the Log or Boiler, which distributes the heat over the radiating surface as one is to seventeen hundred. The air of the room or rooms, attracted by the flame comes in contact with this surface, becomes heated and a constant circulation is therefore created. This circulation carries all the air of the apartment through the flame, the dust, microbes and organic matter being destroyed by fire and leaving the air absolutely pure.

To restore the air to normal condition and put back the 22 per cent. of moisture, which in heating is absorbed, the lower part of the lower Log is filled with water and the heat from the burner produces just sufficient vapor to replace the moisture, giving normal condition at all times. The conveying of the fuel and generating the steam within the space to be heated saving boiler valves and pipe connections. One foot of radiating surface is equal to four feet where the heat is generated and conveyed to the space from a central point.

Not over one heat unit in six that the fuel contains ever reaches the space to be heated in any system where the heat is generated from a central locality. It is either lost in transmitting, goes up the chimney or remains in and around where it is produced.

In the Backus System *every heat unit contained in the fuel is saved* and delivered within the space and allows gas, which contains only about one-sixth the number of heat units in the coal, to be used in competition. By its use there is a more healthy condition of air produced than any other system of heating known, giving a normal condition, destroying all dust, microbes and organic matter and purifying the air by fire.

The use of the Backus Heater for heating *is not an experiment. Over 30,000 now in use*, in many cases heating entire buildings, without chimneys or other heating appliances. In Boston and vicinity there is now consumed through the Backus Heater for heating

purposes *over one hundred million feet of gas yearly*. It is the only Heater made that can use gas for fuel in competition with coal, and when so used will save its cost yearly over any system used for heating purposes.

It is not a gas stove but a Steam Heater. In buying a Backus Radiator you get Fender, Hearth, Andirons, Back and Jamb, Fire Border, Gas Log or Boiler, and Steam Radiator, which takes the place of a tiling in your mantel piece, or forms its own mantel. Can be used in place of your steam radiator now in use and save the necessity of heating a large body of water in order to get the necessary heat in one room. At the same time makes

A Beautiful Open Fireplace, without Chimney Connections.

It costs less to install than any other system. It saves the necessity of putting in Boiler with its pipes and connections, as each Radiator has its own Boiler.

It saves three-fourths of the radiating surface necessary where the steam or hot water is conveyed from a central locality.



THE following example of the products of combustion of 1,000 feet of ordinary illuminating gas will show conclusively the insignificant amount of carbonic acid gas which is produced.

1 lb. of carbon produces 3.66 lbs. carbonic acid gas.

1 lb. average best American coal gas, or 31 cubic feet, contains about 0.34 lbs. carbon.

0.34 lbs. carbon produces 1.24 lbs. carbonic acid gas.

1 lb. carbonic acid equals 8.59 cubic feet.

1.24 lbs. carbonic acid equals 10.65 cubic feet.

1 cubic foot illuminating gas therefore produces 0.34 cubic feet carbonic acid gas.

Since the maximum amount of gas a radiator consumes never exceeds 25 cubic feet per hour, the amount of carbonic acid produced would be 8.5 cubic feet, and for six hours, 51 cubic feet, or in a room 20x20x12 say 5,000 cubic feet, only 1 per cent., which, of course is negligible.



Artistic and Ornamental Appearance.

One of the special and invaluable features of the Backus Heaters is the highly artistic and ornamental effects that can be produced by their universal introduction. No single piece of furniture or ornamentation that might be added to a room could be as effective as the introduction of one of these Heaters.

The Heaters are destined to meet the most varied requirements of all forms of social life, and are made to vary from the plainest forms to the richest and most highly

ornamental designs which it is possible for the artist and metal worker to conceive and execute, so that they are at once capable of being used in the humblest apartment as well as within the walls of a palace. They can be had in all shapes and colors, toned or shaded to suit every variety of taste, and harmonize with the surroundings in the apartment.



Advantages.

The present methods of heating, with their thousand and objectionable features, entailing unnecessary labor and annoyances, and yet failing to accomplish the desired results, must be relegated to the shades of barbarism and a lower form of civilization, when we consider the advantages of the only complete, perfect and really scientific system of heating ever devised. They may be briefly stated as follows:

HEALTH.

ECONOMY.

EFFICIENCY.

ADAPTABILITY.—The Heaters are adapted for heating any kind of an apartment, and are invaluable in a large hotel or apartment house, where it may be necessary to heat only a few rooms for a few hours at a time.

SAFETY.—No danger from defective flues.

The use of gas for fuel.

A pure atmosphere in normal hygrometric condition.

Cleanliness and convenience.

Advantages. (Continued)

Freedom from dust and ashes.

The combination of open fireplace and steam heat.

Ornamental appearance.

The combination of a heater and mantel.

Moderate prices according to degree of ornamentation and decoration.

The ability to dispense with chimneys and flues in a house or room.

Circulation of the air.

Purification of the air by passing in and through the flame, thereby consuming dust and microbes.

Ease of operating and manipulating. The Heater can be operated by a child, with a match for kindling.

Perfection of control and regulation of the temperature.

Possibility of heating one or more rooms without the expense and waste of heating the entire house.

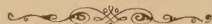
Economy in construction of new houses; no fireplaces, flues or chimneys being required.

In a word, it combines the advantages of all other methods with none of their defects.

It is impossible to appreciate *all* of the advantages of the Backus Heater over all other systems for heating until you have lived with them in your home.

Testimonials.

Finally, the questions discussed above, as to the efficiency, economy and healthfulness of the Backus Heater, considered from a merely abstract point of view, would only influence those who would take the trouble to reason out for themselves the truth of such statements. There is only one conclusion to draw, however, when these questions are answered directly by thousands who have lived with the Heater in practical daily operation for a year or more, and whose statements and opinions (many of them entirely unsolicited) constitute the most remarkable testimonials that have been bestowed on any invention in modern times—and that is that the Backus Heater is destined to accomplish the most remarkable revolution in domestic economy of any invention of the age. Its application is universal, and its possibilities inconceivable. Every house on earth, be it a cottage or a palace, inhabited by civilized human beings, needs one or more Backus Heaters. We have now in actual use 30,000 Backus Heaters and can refer to all of them. We also have on file at our office thousands of unsolicited written testimonials which we can furnish if desired. Also reports from the highest authorities of tests made on the heat, atmosphere and healthful construction of the Backus Heaters, all of which can be furnished if desired.



• • *To the Public* • •

We present this Catalogue to the public after having some 30,000 of the Backus Heaters in actual use, covering a period of ten years, heating entire houses to the exclusion of all other heat. We guarantee to give perfect satisfaction as regards quality of atmosphere by the use of gas as fuel, and that there is no system known that can produce the same results from a stated quantity of fuel as the Backus Heater; and we further agree that where we know the size of the room, the quality of gas and the pressure of the same, to give perfect satisfaction to the purchaser, or we will take the Heater out and refund the money paid. As an ornament in a room, outside of its merits as a heater, there is nothing which will take its place.

The Backus Company,
Brandon, Vermont.

The Backus Patent Steam Radiating Mantel and Open Fireplace.



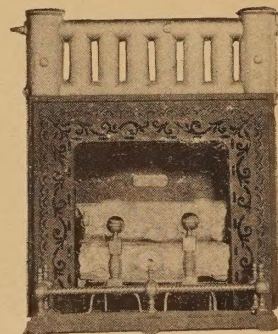
No. 1. 33 inches high, 22 inches wide,
7 inches deep.

Open Fireplace.

Steam Heat.

Gas for Fuel.

No Chimney.



No. 2. 32 inches high, 25 inches wide,
9 inches deep.

DESCRIPTIVE PRICE-LIST.

No. 1.

For Bath Rooms and small Bedrooms, 8x10 feet, with eight feet gas per hour.

PRICE: Finished in Ebony Black,.....	\$18.00
In Gold Bronze,.....	19 00
In Oak, Walnut, Mahogany,.....	20.00
In White and Gold, or Tile Colors, ...	22.00
In Oak, Walnut, Mahogany, or Cherry, with Front Electro Plated, either in Oxidized Brass, Bronze, Copper, or Nickel,.....	25.00

No. 2.

For heating rooms 10x10x10 feet, with 12 feet of gas per hour.

PRICE: Finished in Ebony Black Front, Radiator Bronzed, with Nickel Andirons and Fender Rails,.....	\$25 00
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The Backus Patent Steam Radiating Mantel and Open Fireplace.



No. 3. 33 inches high, 33 inches wide, 9 inches deep.
Cooking attachment under top shelf.



No. 4. Same as No. 3 without cooking attachment.

DESCRIPTIVE PRICE-LIST.

No. 3.

Same as No. 2, but with Mantel Shelf and Frieze Covering Radiator, with two Circular Burners in Top Shelf, upon which Oven, Kettle, etc., can be placed, combining a Cooking Range, Steam Heater and Open Fireplace.

PRICE: Finished in Ebony Black, with Nickel Andirons and Rails,..... \$35.00
In Oak, Walnut, Cherry, Mahogany, with Brass Andirons and Fender Rails, ... 40.00

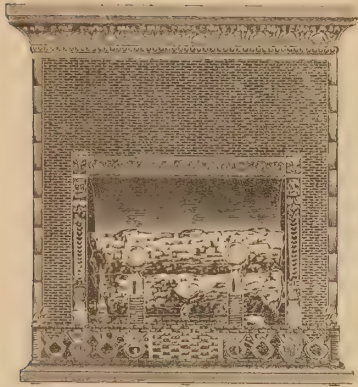
Will give sufficient heat for a room 10x10x10 feet, in zero weather, by use of 12 feet of illuminating gas per hour, 18 candle power.

No. 4.

Same as No. 3, but without cooking attachment.

PRICE: Finished in Ebony Black, Nickel Andirons and Fender Rails,..... \$30.00
In Oak, Cherry, Mahogany, Walnut, with Brass Andirons and Rails, ... 35.00
In White and Gold and Tile Colors,..... 37.00

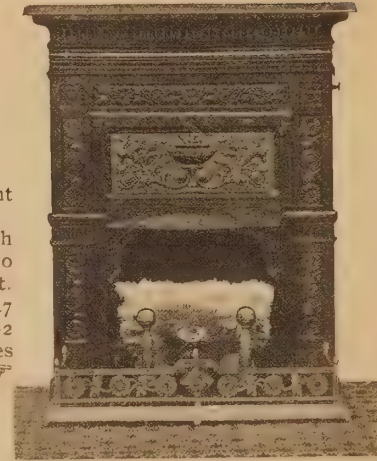
The Backus Patent Steam Radiating Mantel and Open Fireplace.



No. 5 Backus Patent Mantel Heater.
Size, 33 1-4 inches high, 32 1-4 inches wide, 9 1-4 inches deep.

No. 6 Backus Patent Mantel Heater.

Represents Mantel with open Fireplace. No chimney. Steam heat. Gas for fuel. Size, 47 1-2 inches high, 37 1-2 inches wide, 9 inches deep.



DESCRIPTIVE PRICE-LIST.

No. 5.

Mantel complete, with Gas Logs, Back and Sides, Brass Andirons, Iron Fenders, Brass Rails.

PRICE: Finished in Ebony Black, Black and Silver or Gold, ...	\$40.00
In Walnut, Oak, Mahogany, or Cherry, ...	42.50
In White and Gold, Ivory and Gold, or Tile Colors.....	45 00

Will give sufficient heat for a room 15x15x12 feet, in zero weather, by use of 15 feet of illuminating gas per hour, 18 candle power.

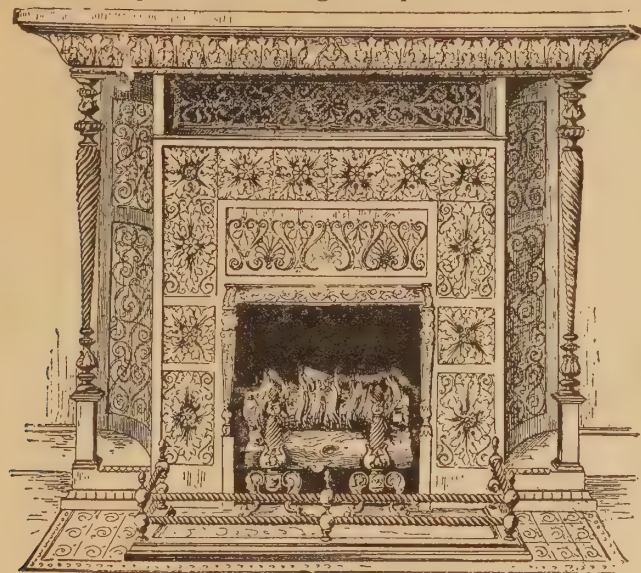
No. 6. (Old No. 15.)

Mantel complete, with Gas Logs, Back and Sides, Brass Andirons and Fender Rails.

PRICE: Finished in Ebony, Black and Gold, ...	\$45 00
In Cherry, Walnut, or Mahogany, with Brass Andirons and Fender Rails, ...	50.00
In White and Gold, Old Ivory and Tile Colors.....	60 00

Will give sufficient heat for a room 20x20x12, in zero weather, by the use of 15 feet of illuminating gas per hour, 18 candle power.

Backus Patent Portable Open Reflecting Fireplace and Steam Radiating Mantel.



No. 7. 49 inches high, 61 inches wide, 10 inches deep.

DESCRIPTIVE PRICE-LIST.

No. 7. (Old No. 20.)

Mantel complete with Gas Logs, Back and Sides, Brass Andirons, Iron Fender, Brass Rails.

PRICE : Finished in Walnut, Oak, Mahogany with Oxidized Brass, Copper, Nickel

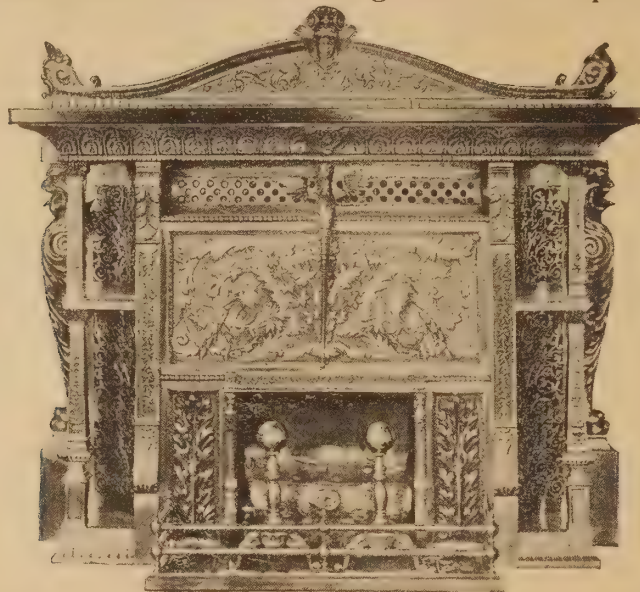
or Bronze Center, ... \$85.00

In White and Gold, Cream and Gold, with Old Ivory Center or Tile Colors, 90.00

Without Andirons and Fenders, \$10.00 less.

Will give sufficient heat for a room 20x20x12 feet, in zero weather, by use of 15 feet of illuminating gas per hour, 18 candle power.

The Backus Patent Steam Radiating Mantel and Open Fireplace.



No. 8. (Old No. 21.) 50 inches high, 66 inches wide, and 13 inches deep.

DESCRIPTIVE PRICE-LIST.

No. 8.

Mantel complete, with Gas Logs, Back and Sides, Brass Andirons, Iron Fenders, and Brass Rails.

PRICE: Finished in Oak, Walnut, Mahogany, or Cherry, with Oxidized Nickel,

Brass, Bronze, or Copper Center, ... \$100.00

In Oxidized Brass, Bronze, Copper, or Nickel, ... 125.00

In Enameled White and Gold Leaf, ... 110.00

This Mantel represents a piece of work which could not be duplicated in design and finish in wood for less than \$500.00. Will give sufficient heat for a room 20x20x12, at zero weather, by the use of 15 feet of illuminating gas per hour, 18 candle power.

The Backus Patent Heaters,

Nos. 9, 10, 11, 12, 13, 14, 15, 16, 17, 21, 22, 23, 24, and 25, are

Steam Radiating Tiles Intended to Fit into Mantels Already in Rooms.

We show on the following pages these Heaters and give the sizes of each, and we also show some of them in Wood Mantels, which will give an idea of how they look placed in Wood Mantels and taking the place of Tiling.

We can furnish this line of Wood Mantels with our Heaters, and can also submit other designs of Mantels and they can be made to fit the Backus Heaters.

We are prepared to furnish Wood Mantels at very low prices.

DESCRIPTIVE PRICE-LIST.

No. 9.

To fit into Mantel already in the room, forming the front or tiling, with open fire-place complete, and requires an opening in Mantel for hood or back to go into of 22 1-2 inches high by 26 1-2 inches wide by 5 1-2 inches deep.

PRICE: Finished in Ebony Black, Black and Gold or Silver, or Tile colors, with

Brass Andirons, Fender and Rail, ... \$35.00.

Finished in Oxidized Brass, Bronze, Copper, or Nickel, ... 40.00.

Finished in Oxidized Brass, Bronze. Copper, or Nickel, with Large
Andirons..... 45.00.

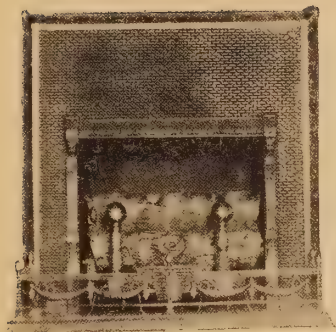
Will give sufficient heat for a room 15x15x12 feet, in zero weather, to 70 degrees, with 15 feet illuminating gas per hour, 18 candle power.

Can be placed in any room without chimney or flue; all that is necessary is to make the connection with the gas and close chimney opening.

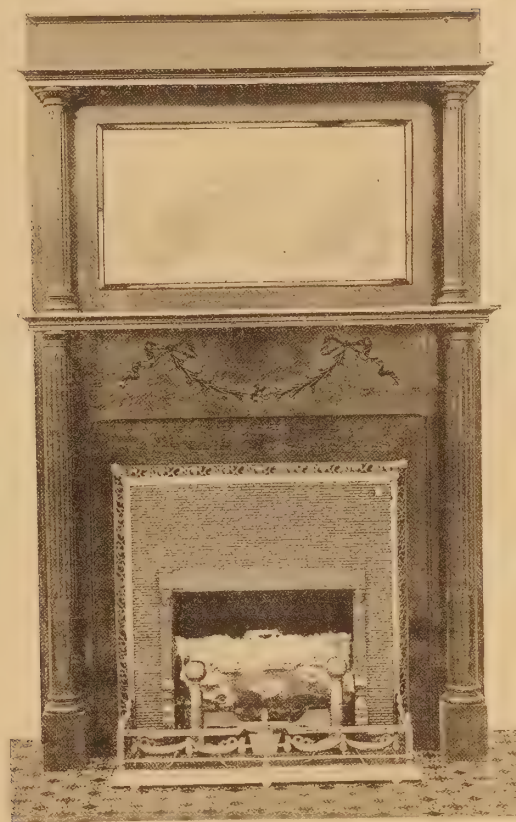
Golden Oak Mantel, 4 feet wide, 6 feet 6 inches high, 5 1-2 inches
projection, Mirror 18 inches by 34 inches, ... \$30.00.

Backus Patent Steam Radiating Tile to Fit Into Mantel Already in Room.

No. 9 BACKUS PATENT HEATER.



Size 31 inches high, 31 inches wide,
5 1-2 inches deep,



This cut shows the No. 9 Heater set in a Mantel.

DESCRIPTIVE PRICE-LIST.

No. 10.

To fit into Mantels already in the room, forming the front or tiling with open fireplace complete, and requires an opening in Mantels for hood or back to go into, of 22 1-2 inches high by 26 1-2 inches wide by 5 1-2 inches deep.

PRICE: Finished in Black, Black and Gold or Silver, Galvano and Gold or Tile
Colors, Antique Brass, with Brass Andirons, Iron Fender, Single Brass

Rail, ... \$40.00

Will give sufficient heat for a room 20x20x12 feet, in zero weather, to 70 degrees, with the use of 15 feet of illuminating gas per hour, 18 candle power.

Can be placed in any room without chimney or flue; all that is necessary is to make the connection with the gas and close chimney opening.

Golden Oak Mantel, 4 feet wide, 6 feet 6 inches high, 5 inch projection,

Mirror, 18 inches by 34 inches,..... \$30.00

Backus Patent Steam Radiating Tile to Fit Into Mantel Already in Room.

No. 10 BACKUS PATENT HEATER.



Outside front measurement 36x36 inches.



This cut shows
No. 10 Heater
set in a Wood
Mantel. 

DESCRIPTIVE PRICE-LIST.

No. 11.

To fit into Mantel already in the room, forming the front or tiling, with open fireplace complete, and requiring same opening in Mantel as No. 9.

Can be placed in any room without chimney or flue ; all that is necessary is to make the connection with the gas and close chimney opening.

PRICE : Finished in Black, Black and Gold or Silver, Antique Brass, with Brass

Andirons and Fender Rails,..... \$45.00

In Galvano and Gold, or Tile Colors,..... 50.00

Will give sufficient heat for a room 20x20x12 feet, in zero weather, by use of 15 feet of illuminating gas per hour, 18 candle power.

Golden Oak Mantel, 5 feet wide, 7 feet 6 inches high, 5 1-2 inches projection,

Mirror 18x40,..... \$52.00

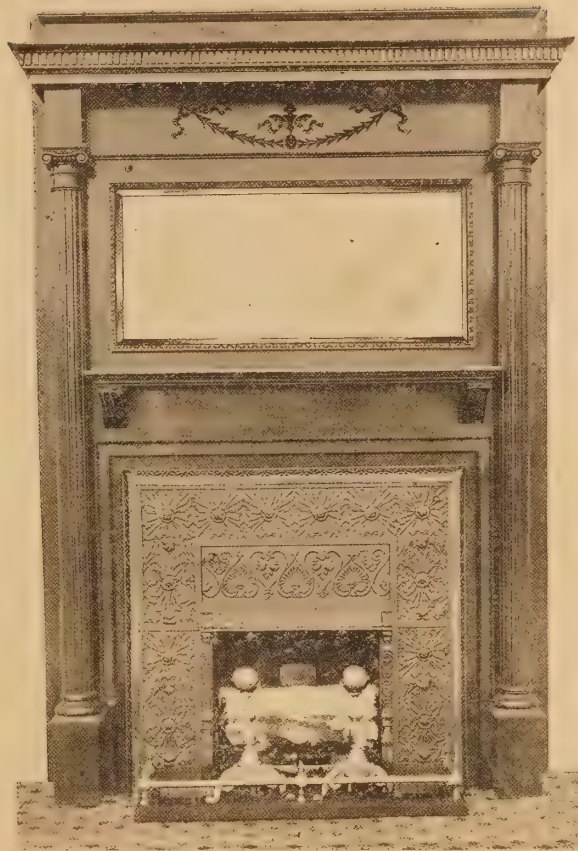
Backus Patent Steam Radiating Tile to Fit Into Mantel Already in Room.

NO. 11 BACKUS PATENT HEATER.



NO. 11. Outside front measurement,
37 3-4 inches high, 39 inches wide.

This cut shows
No. 11 Heater
set in a Wood
Mantel.



DESCRIPTIVE PRICE-LIST.

No. 12.

To fit into Mantel already in the room, forming the front or tiling with open fireplace complete, and requiring the same opening in Mantel as No. 9.

Can be placed in any room without chimney or flue ; all that is necessary is to make the connection with the gas and close chimney opening.

PRICE : Finished in Black, Black and Gold, Antique, or Brass, with Brass

Andirons and Fender Rails, ... \$45.00

In Galvano and Gold or Tile Colors,..... 50.00

Will give sufficient heat for a room 20x20x12 feet, in zero weather, by use of 15 feet of illuminating gas per hour, 18 candle power.

Golden Oak Wood Mantel, 4 feet 6 inches wide, 6 feet 6 inches high, 5 1-2

inch projection, Mirror 18 by 36 inches,..... \$25.00

Backus Patent Steam Radiating Tile to Fit Into Mantel Already in Room.

No. 12 BACKUS PATENT HEATER.



Outside front measurement, 37 3-4 inches
high, 39 inches wide.



This cut shows No. 12 Heater set in Wood Mantel.

DESCRIPTIVE PRICE-LIST.

No. 13.

To fit in Mantel already in the room, forming the front or tiling, with open fireplace complete, and requires an opening in the Mantel for hood or back to go into of 24 inches high, 27 inches wide, and 5 1-2 inches deep.

PRICE : Finished in Oxidized Brass, Bronze, Copper, or Nickle, with Andirons

and Fender as shown in cut,..... \$75.00

Will give sufficient heat for a room 20x20x10 feet, in zero weather, by use of 15 feet of illuminating gas per hour, 18 candle power.

Can be placed in any room without chimney or flue ; all that is necessary is to make connection with gas and close chimney opening.

Golden Oak Wood Mantel, 5 feet wide, 6 feet 6 inches high, 5 1-2 inches

projection,..... \$40.00

Backus Patent Steam Radiating Tile to Fit Into Mantel Already in Room.

NO. 13 BACKUS PATENT HEATER.



Outside front measurement, 36 inches high,
42 inches wide.



This cut shows No. 13 Heater set in Wood Mantel.

DESCRIPTIVE PRICE-LIST.

No. 14.

To fit in Mantel already in the room, forming the front or tiling, with open fireplace complete, and requires an opening in the Mantel for hood or back to go into of 24 inches high, 27 inches wide, and 5 1-2 inches deep.

PRICE : Finished in Oxidized Copper, Brass, Bronze, or Nickle, with Andirons and Fender Rails,.....	\$60.00
Finished in White and Gold, or Tinted Colors and Gold, with Brass Andirons and Rope Fender Rails, ...	\$55.00
Finished in Black and Gold, with Brass Andirons and Rope Fender Rail, ..	50.00

Will give sufficient heat for a room 20x20x10 feet, in zero weather, by use of 15 feet of illuminating gas per hour, 18 candle power.

Can be placed in any room without chimney or flue ; all that is necessary is to make connection with gas and close chimney opening.

Antique Oak Wood Mantel, 4 feet 6 inches wide, 6 feet 6 inches high, 5 inch projection, Mirror 18 inches by 36 inches, ...	\$25.00
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Backus Patent Steam Radiating Tile to Fit Into Mantel Already in Room.

No. 14 BACKUS PATENT HEATER.



Outside front measurement, 34 1-2 inches high, 36 1-2 inches wide.



This cut shows No. 14 Backus Heater in Wood Mantel.

DESCRIPTIVE PRICE-LIST.

No. 15.

To fit into Mantel already in the room, forming the front or tiling with open fireplace complete, and requiring an opening in Mantel the same as Nos. 13 and 14.

PRICE : Finished in Red Brick or Tile Colors, with Brass Andirons and Fender

Rails, ... \$55.00

In Oxidized Copper, Nickel, Brass, or Bronze, ... 70.00

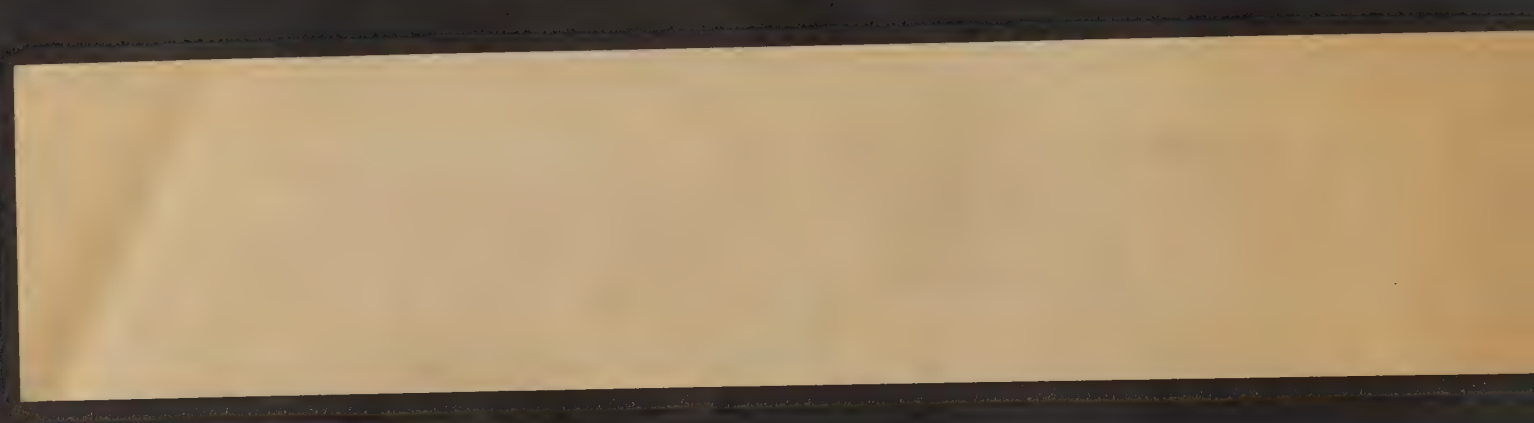
No. 16.

PRICE : Finished in Oxidized Copper, Brass, Nickel, or Bronze, with Brass

Andirons and Fender, ... \$75.00

Will give sufficient heat for a room 20x20x10 feet, in zero weather, by use of 15 feet illuminating gas per hour, 18 candle power.

To the Trade. We would caution the trade that in ordering heaters from this catalogue they should bear in mind that the illustrations of Heaters, Nos. 15 and 16, should change positions, as the Number and Dimensions of No. 15 Heater should apply to the illustration numbered 16, and the Number and dimensions of No. 16 to the illustration numbered 15.



Backus Patent Steam Radiating Tile to Fit Into Mantel Already in Room.

No. 15 BACKUS PATENT HEATER.



No. 15. Outside front measurement, 36 1-2 inches high, 36 1-2 inches wide.

No. 16 BACKUS PATENT HEATER.



No. 16. Outside front measurement, 36 inches high, 42 inches wide.

DESCRIPTIVE PRICE-LIST.

No. 17.

To fit into Mantel already in the room, forming the front or tiling, with open fire-place complete, and requires an opening in Mantel for hood or back to go into of 22 1-2 inches high by 26 1-2 inches wide by 5 1-2 inches deep. Same heating capacity as No. 9 Heater.

PRICE: Finished in Oxidized Brass, Bronze, Copper, or Nickel, with Andirons and Fender Rails, ...	\$45.00
Black and Gold, or White and Gold,.....	40.00
Golden Oak Wood Mantel, 4 feet wide, 6 feet 6 inches high, 5 inches projection, Mirror 18 inches by 30 inches, ...	\$33.50,

Backus Patent Steam Radiating Tile to Fit Into Mantel Already in Room.

NO. 17 BACKUS PATENT HEATER.



Outside front measurement, 31 inches high, 31 inches wide.



This cut shows No. 17 Backus Heater in Wood Mantel.

The Backus Patent Radiating Back and Jamb Heaters

Back and Jamb with Gas Logs are intended to fit into Mantels already in the room, and require an opening of 27 inches wide, 27 1-2 inches high, and 10 inches deep, and the front covers a space of 31 1-4 inches wide and high. The Gas Log, in front, covered with Asbestos fibre, forms the boiler (containing one quart of water), is connected to the Back and Jamb, which forms the Radiator; the water is converted into steam by means of the Gas Burner, and circulates into Radiator, condenses and returns to boiler to again be converted into steam. You combine a Gas Log, Boiler and Steam Radiator, and Back and Jambs; will heat a room, in zero weather, to 70 degrees, with an average of 15 feet of gas per hour.

PRICE : Complete, with Andirons as per cuts :

No. 21.	Finished in Oxidized Brass, Nickel, or Copper,.....	\$40.00
No. 22.	" " " " " " " "	40.00
No. 23.	" " " " " " " "	40.00
No. 24.	" " " " " " " "	40.00
No. 25.	" " " " " " " "	40.00

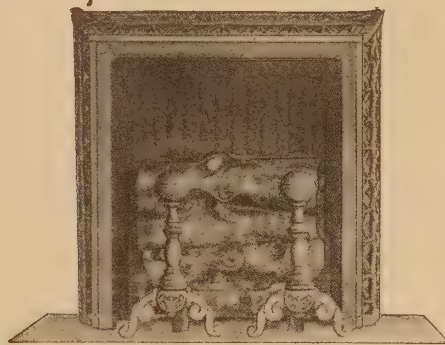
The Backus Patent Steam Radiating Back and Jamb with Gas Logs.



No. 21.



No. 22.



No. 23.



The Backus Patent Steam Radiating Back and Jamb with Gas Logs.



No. 24.

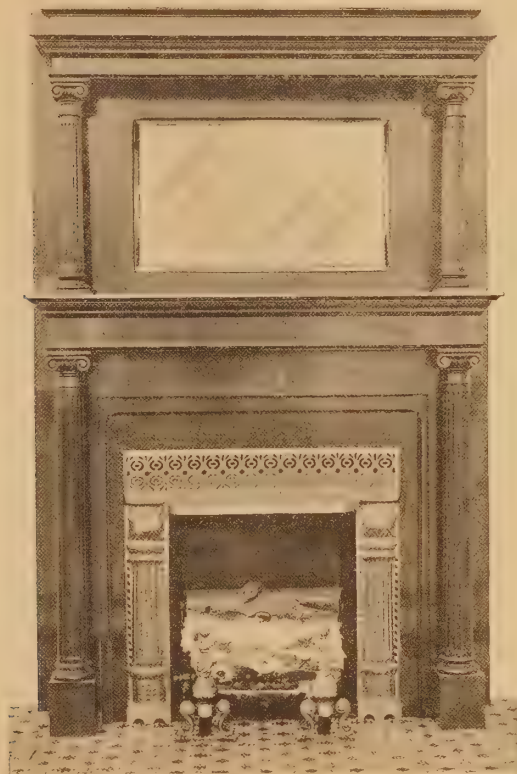


No. 25.



No. 25. Rear View, Showing Back Jamb as Radiator.

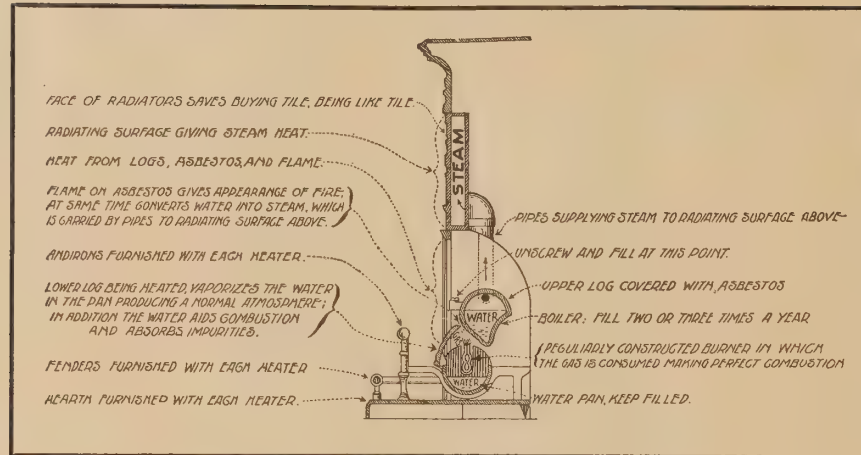
**Backus Patent Steam Radiating Back and Jamb with Gas Logs to Fit Into
Mantels Already in Room.**



This cut shows No. 22 Backus
Heater in Wood Mantel.

Golden Oak Mantel, 4
feet wide, 6 feet 6 in-
ches high, 10 inches
projection, Mirror
18x30, ...\$33.50

Sectional View of



No. 6 Backus Patent Heater.

Memorandum of Weights of Backus Heaters

Crated Ready for Shipment :

No. 1	Backus Patent Heater, Crated,.....	150 lbs.
No. 2	" " " "	250 "
No. 3	" " " "	270 "
No. 4	" " " "	270 "
No. 5	" " " "	335 "
No. 6	" " " "	450 "
No. 7	" " " "	650 "
No. 8	" " " "	800 "
No. 9	" " " "	250 "
No. 10	" " " "	300 "
No. 11	" " " "	350 "
No. 12	" " " "	350 "
No. 13	" " " "	450 "
No. 14	" " " "	370 "
No. 15	" " " "	370 "
No. 16	" " " "	450 "
No. 17	" " " "	250 "
Nos. 21 to 25	" " " "	330 "

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